THE TECH

VOL. XXIX. NO. 93. BOSTON, MASS., WEDNESDAY, FEBRUARY 16, 1910 PRICE ONE CENT

M. I. T. A. A. ELECTS H. S. BENSON TRACK MANAGER

R. H. Allen Resigns From Presidency---F. A. Hurley Elected

Harvey L. Benson 1912, was yesterday elected manager of the track team, taking the place of P. H. Pearson 1911, who has left school. Max Waterman 1913, was elected assistant manager.

Benson has been actively interested in track work for the past two years. He has performed some very creditable long distance running, having been on both the cross-country team and the two-mile relay. Lately he has been doing much of the track manager's work and has shown up as being fully capable and worthy of the position.

Capt. "Ray" Allen of the track team and president of the M. I. T. A. A., resigned from the office of president of the association. Capt. Allen has been ill with scarlet fever, and now feels that he must limit the time he puts into student activites. He will remain captain of the track team, and will keep up his track work. He has already started light track practice.

The association elected F. A. Hurley 1910, to fill his place. Hurley has been a member of his class football, class baseball, and the 'varsity track teams He has also been a member of the athletic association for several years.

1912 CLASS MEETING

This noon at 1.00 o'clock there will be a meeting of the class of 1912. The object is to consider the matter of the electoral committee for Technique 1912. As this is one of the most important things that the class has to do, it is hoped that a large number of the men will turn out.

HOCKEY TEAM ELECTIONS

R. H. Gould, Manager---H. D. Billings, Captain---Insignia

Harold D. Billings has been elected captain of the hockey team. Billings has been very prominent in athletics, both class and Institute, ever since he entered Tech. He played on both his class football and baseball teams for two years; he made the hockey team his first year and last year was manager as well as a player of the same.

At the meeting of the athletic association yesterday, R. H. Gould was elected manager of the hockey team. T. Polhemus was also recommended by this season's manager. Billings, as a candidate for the office. Gould has had more experience in the line of hockey than has Polhemus, however.

The following names of varsity hockey men who have played two-thirds of the scheduled games was handed to the association with the recommendation that those men be entitled to wear the insignia:—W. J. O'Hearn 1910, V. G. Sloan 1912, A. A. Gould 1910, R. H. Gould 1911, T. Polhemus 1911, H. D. Billings 1911, H. W. Stucklen 1911, and F. A. Hurley 1910.

After completing all arrangements for a wireless station to be operated by members of the Pennsylvania Wireless Club, at the Philadelphia Electrical Show, they were notified they would not be allowed to exhibit as another company had bought the exclusive rights for this purpose.

INTERESTING WORK ON COURSE III THESES

Mining Engineers Are Now At Work On Metallurgical Problems

The work on theses is now well under way in all the courses. The mining engineers are carrying on research work on a number of different phases of mining. The following is a list of the work now being done.

Messrs. H. S. Arnold and R. L. Beales are to investigate a gold ore from the Santa Sofia mine in Mexico. This ore has already received some attention at the Institute but it seemed desirable to investigate it further with special reference to the application of the cyanide process to it after it has been crushed to slimes according to the present approved cyanide practice.

Mr. R. E. Anderson—a study of the chemical equilibrium of lead oxide, carbon monoxide and carbon dioxide at various temperatures. It is expected that the results obtained will throw light upon reactions that take place in a blast furnace smelting lead ores.

Mr. R. L. Bartlett spent the summer at zinc mines in Tennessee, studying the local geology and gathering samples which will be investigated in the laboratory during this 2nd term.

Messrs. R. A. Beckman and Y. T. Tsai, also Messrs. R. F. Goodwin and P. S. Hopkins are to make stamp mill runs upon a free milling Nova Scotia gold ore. One pair of students will use one set of adjustments of machines, for example coarse screen in the stamps, high capacity, regular amalgamated plate, etc., while the other pair will use different adjustments, such as fine screens, low capacity, Pierce patent amalgamator, instead of amalgamated plate, etc.

Mr. B. Bigelow and Mr. R. F. Burnett have a free milling gold ore from the eastern part of Nova Scotia which will be investigated by means of the stamp mill, amalgamated plate and Johnston Vanner, followed by treatment of part of the tailings by cyanide.

Mr. R. S. Breyer and Mr. C. C. Webb have an interesting problem in the shape of a lot of ore from the White Pine copper Company, Ontonagon County, Michigan. This contains native copper in commercial quantities but very finely disseminated through the rock; consequently it has been a hard nut for ore dressers to crack. Their plan is to give the material a carefully graded treatment to determine just what size will yield the copper free from the rock.

Mr. C. J. Briggs has a tin ore from New Ross, Nova Scotia. It is believed to contain about 1 per cent. tin and offers a field for interesting experiments to determine the best method of extracting the tin by mechanical concentration. It is rather unusual for a tin ore to come to the mining department.

Mr. H. N. Crichton and Mr. B. S. Wohlgemuth are to work in the blast furnace department making a study of pyritic smelting. During the past few years a considerable quantity of matte, pyrite and pyrrhotite, have been accumulated so as to make a blast furnace run. In an earlier attempt to use pyritic smelting in our laboratory success was not realized, owing to the lack of air supplied to the furnace. During the past summer the furnace has been rearranged and the tuyere area increased so that it is now hoped to have a successful run. Pyritic smelting in modern copper metallurgy avoids to a great extent the expensive preliminary roasting of the ore to partly eliminate the sulphur before it goes into the blast furnace, and also saves coke.

BARON KIKUCHI TELLS STUDENTS OF JAPAN

Assures Men Of Japan's Friendly Attitude---Explains Some Traits

At the convocation yesterday afternoon, Baron Kikuchi of the Japanese Imperial University addressed the students on Japan, trying to explain the Japanese spirit. President Maclaurin introduced the speaker, saying that Technology is an international institute and that Baron Kikuchi was especially welcome as a representative of the Japanese nation, which has shown itself a scientific nation.

Baron Kikuchi spoke at some length on the good feeling of Japan towards America, and said that there was historic reason for it. America has done much to open Japan to the world, and has been friendly and helpful in its attempts to rise. "The Japanese have, however, two things that Americans do not have," said the Baron, "loyalty to the Imperial House and veneration for their forefathers." These two things have a great influence on the Japanese attitude. The Japanese venerate their forefathers, and try themselves to live so that their posterity may venerate them. The relation of the Emperor to the people is almost that of a father to his children, for the dynasty is twenty-five hundred years old. The following Imperial edicts will illustrate this spirit. Through the kindness of Baron Kikuchi they are printed in full.

(Continued on page 3.)

BASKET-BALL TONIGHT

Tech vs. Brown At The Gym---And 1912 vs. 1913

A hot contest is scheduled for to-night at the Gym when the Tech basket-ball team meets Brown for the second time this season. The first game was played on Brown's own floor on January 15th and was won by Technology with a score of 16 to 14. Since then the Tech team has played five games, winning two and losing three. Brown has played several fast games, and the indications are that their team is better than before. A fast and hard-fought game is expected, and a crowd should turn out and support the team. Captain Parker has been working the men hard during the past week, and improving the teamwork. Practice games have been played with the second team three times a week.

The line-up of the Tech team will probably be Crocker and Bennis guards; Parker, center; Johnson and Hargraves (Darling), forwards.

The same evening the freshman and sophomore teams will play the second game of their series. The first game went to the freshmen 14 to 8. The freshmen have a fast team and all indications are in favor of their winning, but the sophomores will doubtless play a stubborn game to get their revenge. 1913 has also been more favorable with their outside games, winning from Newton High and pushing the Somerville High team hard to make them win. The line-up of the two teams will be:

1912		1913
Kendrick	rf	lb Muther
Albee	lf	rb Cahill
Mowry	c	c Colwell
Freedman	rb	lf Welch
Stone	lb	rf McCarty (Murdock)

TECHNOLOGY REVIEW FOR FIRST QUARTER

Last Number Contains Many Interesting Articles By Men Of Note

With the beginning of the new year the Technology Review published the first number of its twenty-second volume. The issue deals with the events of the last quarter, and contains some articles of scientific interest by prominent men.

The first article, "Phases of Architectural Education," by Mr. George B. Ford 1900, is an exposition of the advantages of the architectural course here at the Institute over the atelier system of the Beaux-Arts Society. The Institute, in Mr. Ford's opinion, gives a broader and more thorough training, and has a decided advantage in the way of permanent teachers.

A review of President Maclaurin's report to the corporation is given and an article on Professor Sedgwick's portrait, with a splendid tribute to Professor Sedgwick and to his work.

An interesting account of the work of the Aero Club by E. N. Fales 1911, and photographs of some of their flights should attract at least club members, and others as well.

Professor Winslow's promotion to the position of Associate Profesor of Biology in the College of the City of New York and Curator of the Public Health in the American Museum of Natural History was announced, and a brief account of his life given. Professor Winslow was a Tech man, and graduated in Course VII in the class of 1898.

Professor Peabody briefly described the model which is to be used in Naval Architecture, and Treasurer Hart's report was given. The income of the Institute last year was $545,000 and the expenses nearly $576,000—a deficiency of almost $30,000. The Institute has, however, no debt.

An account of the meeting of the Alumni Council in December, and the reports of the different committees were given. Other news of interest to the alumni is accounts of Tech clubs in different cities and the news from the different classes from 1868 to 1909, as well as the news from the different departments.

Of general interest, however, is President Maclaurin's address before the New England Association of Colleges and Preparatory Schools on "Science and Education." Dr. Maclaurin commented on the great advance of science during the last century and particularly on the applications of science. This growth of science had a profound influence on education. It is practically responsible for popular education, and has greatly changed higher education, which previously was classical only. Men like Spencer, Kingsley, and Huxley saw the value of the study of science for its practical use, and for its cultural value. The laboratory method of teaching also came into prominence. Another influence of science is in the aim of education. Science asks a man not what he knows, but what he can do. This is a fact which teachers should realize for "the foremost teachers of the foremost nations are the creators of the life to be."

CALENDAR.

8:00—Brown vs. Tech, Gym.
8:00—1912 vs. 1913, Gym.
8:15—Catholic Club, Union
1:00—1912 Class Meeting, Hunt. Hall.

THE TECH

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BOSTON, MASS., FEBRUARY 16, 1910.

The Institute Committee this afternoon will have to consider the cases of H. D. Williams, an elected member of the 1911 Prom Comm, and F. A. Moore, the business manager of the 1911 Technique. These gentlemen, neglecting the spirit of the Point System, went on the trip with the Musical Clubs during the mid-year recess. At the time the Point System was adopted it was not thought possible that any student would deliberately violate its provisions, but that is what these men did. It was thought at the time the system was adopted by the classes and organizations of the Institute that its provisions would be complied with in spirit as well as in form. No direct method was determined upon to force men to comply with it for this reason.

These men, however, sang with the Clubs, despite the point system, and went on the trips after their attention had been called to the fact that they were carrying extra points by the point system committee. Their violation of what a majority of the students of the Institute to all appearances believe to be not only to the interests of any activity that may be concerned but also to the student body and its members as a whole, is certainly not a matter to be commended as a step towards a more unified student body and a better Institute spirit. Furthermore, it is a grave offence against the attempts of the student body to regulate their own affairs, and unless the Institute Committee can prove itself capable of dealing with the situation which these two men have created, the feasibility of student government may well be doubted.

COMMUNICATION

During the past year there have been many instances of poor support of Institute sports but absolutely the worst that has come to my notice for some time was the attendance, or rather the non-attendance of Tech students at the Tufts vs. Tech basketball game at the gym last Wednesday evening.

The game was played on our own floor and the seating capacity of the gym was taxed—by the attendance of less than twenty Tech men, and the remainder of the two hundred present, Tufts enthusiasts.

When the time came for proper support of the two teams of course Technology was outclassed about from here to Providence just because twenty men cannot make a noise like one hundred and fifty. An outsider, not knowing where the two colleges were situated, could have gone away from the game perfectly justified in thinking that the game was played on Tuft's floor.

Now this sort of thing may go on, but the result can only be this: that eventually all varsity sports will be done away with, as fencing was done away with last year, because of non support. Every sport has to have money to pay expenses or it cannot exist, and unless Tech men wish to see the college become a retreat for grinds it is certainly up to them to come out once in a while and see how well their teams can play.

W. D. Everett '10.

"Le Bourgeois Gentilhomme" is to be produced at Cornell by the French Club. Rehearsals are being held regularly and from all appearances the performance will be an excellent one.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

WEATHER REPORT.

Washington, Feb. 16.—Wednesday, rain or snow, increasing east to north winds.

Boston, Feb. 16.—Decidedly colder weather is expected to follow the storm now moving rapidly eastward, and which is due over the eastern states within the next 36 hours.

Since its origin over the northern Rocky Mountain region on Monday, the storm has increased in its intensity, and zero temperatures in its wake in some sections.

The naval tug Nina has been reported found off Montauk, fighting her way under sail. The naval officers at the Charlestown yard, however, do not believe this to be true. Nevertheless the tug is expected to arrive in Boston this afternoon, and all doubt will soon be dispelled.

The search for the missing naval tug Nina has been abandoned fro Cape May to this port. Naval officials have become convinced tht the Nina did not get further north than Fenwick Island light, off the Virginia sapes. Today vessels searchinng between Cape May and this port were recalled by wireles.

Bloomington, Ill., Feb. 16.—Early yesterday burglars blew the safe of the Citizens' Bank of Chatsworth with nitro-glycerine, and escaped with a team, taking $8000 in paper money and $2000 in silver. Night Wachman Kyle and Albert Kerber, a citizen, were found later, bound and gagged.

Chicago, Feb. 16.—Prof. Lowell has announced that he has seen a new canal spring into being on Mars last summer, showing, he declared, that it had been just completed by the Martians.

New York, Feb. 15.—The steamer Main of the North German Lloyd line from New York for Baltimore, reported by wireless today that she had run aground on the west bank of the Ambrose channel on her way out of the harbor. The Main carried 40 cabin and 660 steerage passengers for Baltimore. The big steamer succeeded in working free from the grip of the mud bank.

East Greenwich, R. I., Feb. 16.—The resignation of the Rev. C. A. Stenhouse as president of East Greenwich Academy and the return of a number of students who left their desks recently, today terminated the students' strike which followed the dismissal of an instructor by President Stenhouse. It was not anounced today whether the dismissed instructor would be reinstated.

New York, Feb. 16.—Mrs. Roosevelt and her daughter, Miss Ethel, sailed today on the steamer Hamburg for Naples, en route to Khartoum, where they will meet Col. Roosevelt on March 14.

Boston, Feb. 16.—Professor William T. Sedgwick and Mrs. Sedgwick are planning to go to Southern Europe, and will sail probably the last part of this month.

New York, Feb. 16.—A great building trades strike is threatened. Forty thousand steam-fitters voted to quit work yesterday, and it is expected that many of the other building trades will follow their lead.

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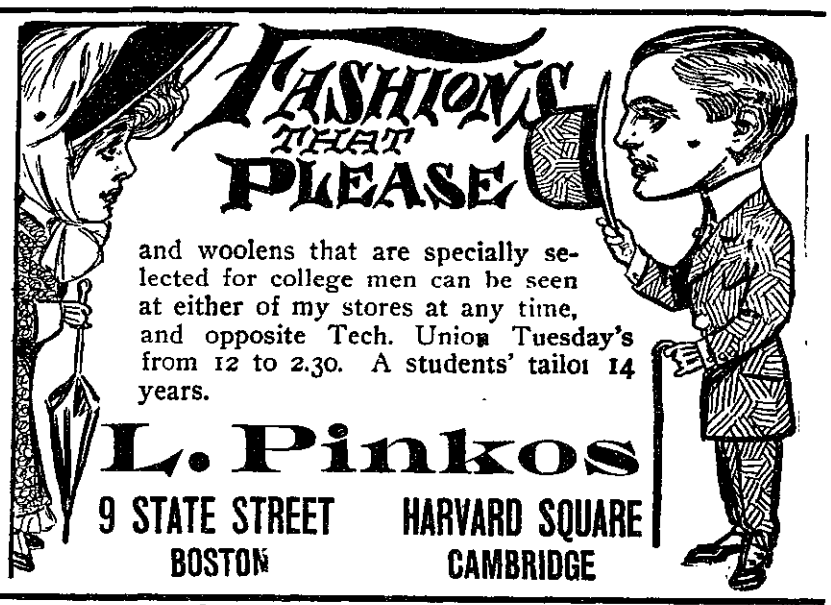

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Cambridge, Feb. 16.—Optimism prevailed in Harvard's rowing quarters in the Newell boat house yesterday when the veterans of the varsity squad came out and settled down to the first real work of the season upon the rowing machines.

Washington, Feb. 16.—A gold medal and the thanks of Congress for Robert E. Peary, discoverer of the north pole, is contemplated in a bill introduced yesterday by Representative Butler of Pennsylvania.

FOREIGN.

Santiago, Cuba, Feb. 15.—The rumor that Dr. Frederick A. Cook has arrived at Santiago still persists. The doctor is reported to be enjoying excellent health, but absolutely refused to be interviewed.

London, Feb. 15.—The third Parliament of King Edward assembled this afternoon. The ceremony was simple, all the royal pageantry connected with the state opening being postponed to Feb. 21 and the interim devoted to the swearing in of members and the clearing away, if possible, of the difficulties confronting the government. These latter are due not only to the divergent interests actuating the various parties which constitue the coalition majority, but as well to the divisions within the parties themselves over the best means of grappling with the great issues brought about in the recent appeal to the country.

St. Petersburg, Feb. 16.—King Ferdinand of Bulgaria will arrive here on Feb. 24, to thank the emperor for the recognition of Russia. It is reported that the sultan of Turkey will make the round of the European capitals, beginning with St. Petersburg. This report cannot be confirmed.

Paris, Feb. 16.—Professor Vincent of the Academy of Medicine announces the discovery of an improved method of vaccination for typhus consisting of inoculation with macerated living typhus germs.

NEWS FROM THE COLLEGES

The University of Minnesota has started a lecture course in journalism. It is the first of its kind to be started in any college.

An honorary journalistic fraternity has been organized at Syracuse. The requirement for membership is two years' service on a college daily.

A Michigan professor says that the East is thirty-six years behind the West in college oratory.

The Universty of Calcutta, the largest educational corporation in the world, examines 10,000 students a year.

One of the Minnesota professors had his class rate their own papers, putting the basis of their standing on the amount of work actually done.

The Daily Princetonian, the daily of Princeton, has been made a member of the Associated Press.

The gift of $100,000 to Yale University by Alfred G. Vanderbilt of New York has just been known. The gift will be applied toward the general university endowment and is part of a subscription of $250,000 for this purpose.

Mr. Vanderbilt has thus far given $175,000, and it is understood will complete the amount before the close of the year.

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BARON KIKUCHI

(Continued from page 1.)

The Imperial Rescript on Education.

"Know ye, Our subjects:

Our Imperial Ancestors have founded Our Empire on a basis broad and everlasting and have deeply and firmly implanted virtue; Our subjects ever united in loyalty and filial piety have from generation to generation illustrated the beauty thereof. This is the glory of the fundamental character of Our Empire, and herein also lies the source of Our education. Ye, Our subjects, be filial to your parents, affectionate to your brothers and sisters; as husbands and wives be harmonious, as friends true; bear yourselves in modesty and moderation; extend your benevolence to all; pursue learning and cultivate arts, and thereby develop intellectual faculties and perfect moral powers; furthermore advance public good and promote common interests; always respect the Constitution and observe the laws; should emergency arise, offer yourselves courageously to the State; and thus guard and maintain the prosperity of Our Imperial Throne coeval with heaven and earth. So shall ye not only be Our good and faitful subjects, but render illustrious the best traditions of your forefathers.

The Way here set forth is indeed the teaching bequeathed by Our Imperial Ancestors, to be observed alike by Their Descendants and the subjects, infallible for all ages and true in all places. It is Our wish to lay it to heart in all reverence, in common with you, Our subjects, that we may all thus attain to the same virtue."

It is interesting, as showing the continuity of the policy of the empire, to place side by side with these articles the words of the Imperial Rescript issued year before last, which are as follows:

"We are convinced, that with the rapid and unceasing advance of civilization, the East and West, mutually dependent and helping each other, are bound by common interests. It is our sincere wish to continue to enjoy for ever its benefits in common with other powers by etering into closer and closer relations and strengthening our friendship with them. Now in order to be able to move onward along with the constant progress of the world and to share in the blessings of civilization, it is obvious that we must develop our internal resources; our nation, but recently emerged from an exhausting war. must put forth increased activity in every branch of administration; it therefore behoves our people to endeavor with one mind, from the highest to the lowest, to pursue their callings honestly and earnestly, to be industrious and thrifty, to abide in faith and righteousness, to be simple and warmhearted, to put away ostentation and vanity and strive after the useful and solid, to avoid idleness and indulgence, and to apply themselves incessantly to strenuous and arduous task. . ."

CATHOLIC CLUB

Bernard S. Rothwell Will Speak At Union Tonight

Mr. Bernard S. Rothwell, president of the Chamber of Commerce, will speak on the work of the Chamber and outline its methods of working, before the Catholic Club at its meeting tonight in the Union at 8.15. Mr. Rothwell is one of the leading business men of Boston and is prominent in all municipal activities.

The Catholic Club extends a cordial invitation to all interested, and all members of the club are earnestly requested to attend an important business meeting which will follow Mr. Rothwell's talk.

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NOTICES

Exercises in the following subjects will be held as indicated beginning Wednesday, the 16 instant. Students of French I who can attend with Section a are assigned thereto; those who can not are assigned to Section b.

Subject		Hours	Room	Instructor
French I	Sec. a	Monday 10-11	22 Lowell	Mr. Blachstein
		Wednesday 9-10	31 Lowell	
		Friday 2-3	22 Lowell	
	Sec. b	Monday 4-5	23 Lowell	Mr. Dike
		Wednesday 4-5	23 Lowell	
		Friday 4-5	23 Lowell	
Spanish I		Wednesday 4-5	29Lowell	Mr. Erhardt
		Friday 4-5	29 Lowell	
Spanish II		Tuesday 12-1	22 Lowell	Mr. Erhardt
		Wednesday 12-1	26 Lowell	
Spanish III		Saturday 11-12	29 Lowell	Mr. Erhardt
Italian		Tuesday 11-12	29 Lowell	Mr. Dike
		Thursday 4-5	23 Lowell	
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